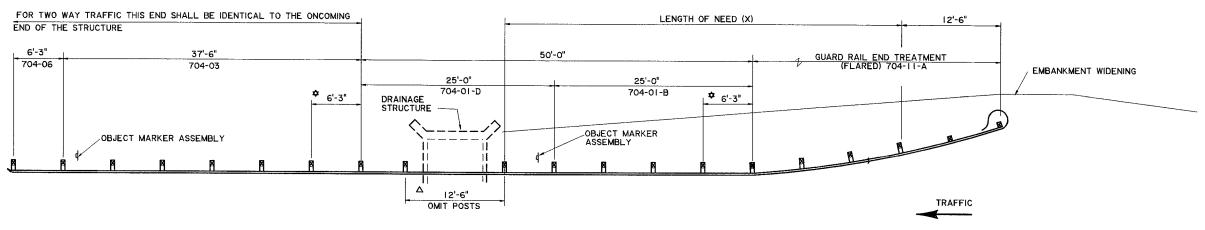
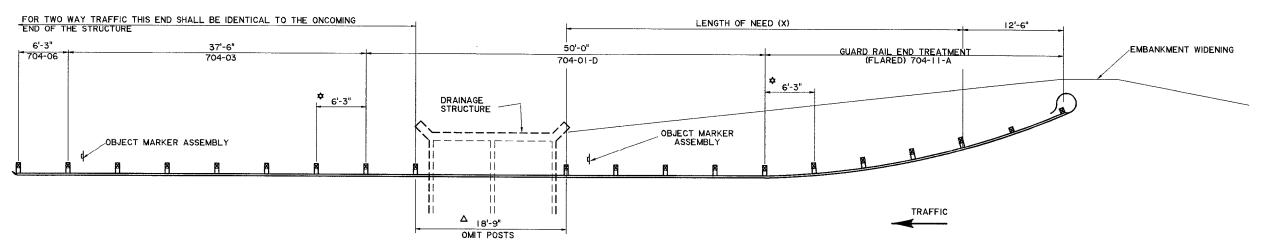
BRIDGE AND STRUCTURAL DESIGN



## GUARD RAIL OVER R.C. BOX CULVERT - FOR SPANNING CULVERT ( ≤12'-6")



GUARD RAIL OVER R.C. BOX CULVERT - FOR SPANNING CULVERT (≤ 18'-9")

## NOTES

POST SPACING SHALL BE 6'-3" UNLESS OTHERWISE SHOWN, FOR ADDITIONAL INFORMATION ON GUARD RAIL AND EMBANKMENT, SEE STANDARD PLAN GR-200.

QUANTITIES SHOWN ARE MINIMUM GUARD RAIL.

WHEN LENGTH OF NEED (X) EXCEEDS THE QUANTITIES SHOWN ADDITIONAL W-BEAM GUARDRAIL SHALL BE INSTALLED.

LAYOUTS SHOWN HERE ARE FOR ONE WAY TRAFFIC ONLY.

WHEN FACED WITH TWO WAY TRAFFIC THE OFF-GOING FND SHALL

WHEN FACED WITH TWO WAY TRAFFIC THE OFF-GOING END SHALL BE SYMMETRICAL TO THE ONCOMING END BEGINNING AT THE END OF THE DRAINAGE STRUCTURE.

- **❖ W/THRIE BEAM TRANSITION SECTION**
- $\Delta$  no splice in Guardrail within the 12'-6" or & 18'-9" section. This standard plan to be used in conjunction with standard plan GR-200